

Fig. 1
Prior Art

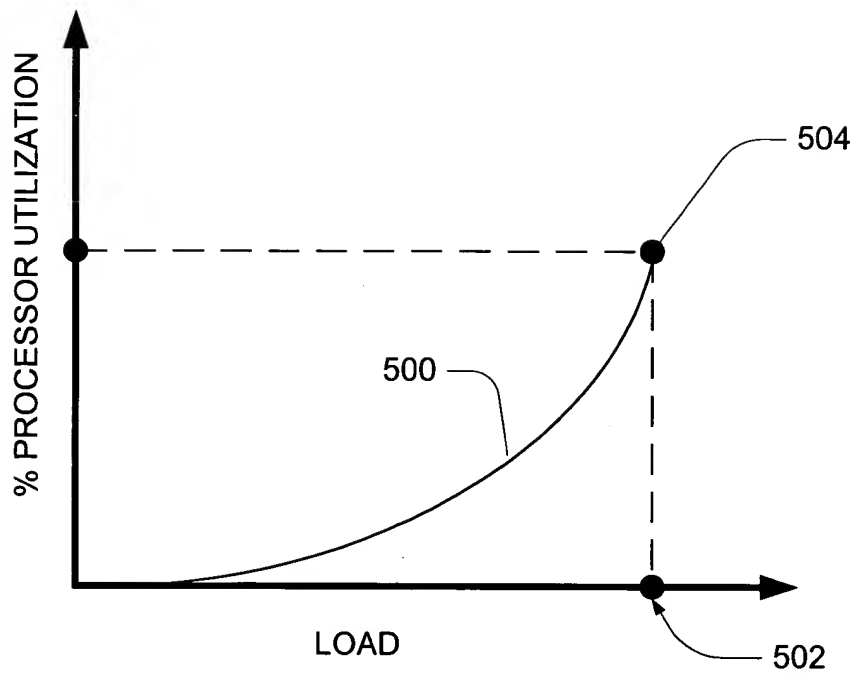
The diagram illustrates a simulation system architecture. It features a **PRIMARY SERVER 202** which contains a **PROCESSOR 204** and a **MONITOR 205**. The primary server's memory 218 is organized into nested layers: an **OPERATING SYSTEM 220**, a **CLUSTER CONTROLLER 222** containing a **COMMUNICATIONS PROGRAM 224**, and a **CAPACITY PLANNER 226**. The capacity planner layer includes **BENCHMARK DATA 228** (represented by a stack of boxes), a **CALCULATION MODULE 230**, **PLANS 232** (represented by a stack of boxes), a **USER INTERFACE 234**, an **ISAPI FILTER 236**, and a **LOAD SIMULATION TOOL 238**. Two **SECONDARY SERVER** units are shown: **206** (with **PROCESSOR 208** and **MONITOR 209**) and **210** (with **PROCESSOR 212** and **MONITOR 213**). These secondary servers are connected to the primary server. A **MASTER CLIENT 214** containing a **SIMULATION TEST PROGRAM 217** is connected to the primary server via a bidirectional arrow labeled 216. A reference numeral 200 points to the secondary server 210.

Fig. 2

APPCENTER CAPACITY PLANNING WORKSHEET			<input type="button" value=""/> <input type="button" value=""/> <input type="button" value="X"/>												
CALIBRATION ANALYSIS															
MACHINE INFORMATION															
<div style="border: 1px solid black; padding: 2px; text-align: center; margin-bottom: 10px;">CONFIGURE CALIBRATION</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> CALIBRATION SCRIPT: <div style="border: 1px solid black; padding: 2px; display: inline-block;">PG MIX 1</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▼</div> </div> <div style="width: 50%;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;">RUN NOW</div> </div> </div>		<div style="border: 1px solid black; padding: 2px; text-align: center; margin-bottom: 10px;">CONFIGURE CALIBRATION TEST</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> SERVER NAME: <div style="border: 1px solid black; padding: 2px; display: inline-block;">WEB02</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▼</div> </div> <div style="width: 50%;"> MASTER TEST CLIENT NAME: <div style="border: 1px solid black; padding: 2px; display: inline-block;">CL01T</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▼</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 40%;"> TEST SCRIPT: <div style="border: 1px solid black; padding: 2px; display: inline-block;">SCRIPT022A</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▼</div> </div> <div style="width: 50%;"></div> </div>													
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-top: 20px;">CALCULATE PROJECTED CAPACITY</div>															
REQUESTS PER SECOND	<div style="border: 1px solid black; padding: 2px; display: inline-block;">37</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▲▼</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 20px;">HELP</div>													
NUMBER OF SERVERS	<div style="border: 1px solid black; padding: 2px; display: inline-block;">8</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▲▼</div>														
AVAILABLE BANDWIDTH:	<div style="border: 1px solid black; padding: 2px; display: inline-block;">T1 (1.54 Mb/Sec)</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">▼</div>														
WORKSHEET RESULTS															
<div style="border: 1px solid black; padding: 2px; text-align: center; margin-bottom: 10px;">CALIBRATED DATA</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 5px;">GEN.</td> <td style="width: 40%; padding: 5px;"> <div style="border: 1px solid black; height: 20px; width: 80%;"></div> </td> <td style="width: 50%; padding: 5px; text-align: right;">77%</td> </tr> <tr> <td style="padding: 5px;">PROC.</td> <td style="padding: 5px;"> <div style="border: 1px solid black; height: 20px; width: 40%;"></div> </td> <td style="padding: 5px; text-align: right;">40%</td> </tr> <tr> <td style="padding: 5px;">B/W</td> <td style="padding: 5px;"> <div style="border: 1px solid black; height: 20px; width: 90%;"></div> </td> <td style="padding: 5px; text-align: right;">98%</td> </tr> <tr> <td style="padding: 5px;">MEM.</td> <td style="padding: 5px;"> <div style="border: 1px solid black; height: 20px; width: 60%;"></div> </td> <td style="padding: 5px; text-align: right;">64%</td> </tr> </table>		GEN.	<div style="border: 1px solid black; height: 20px; width: 80%;"></div>	77%	PROC.	<div style="border: 1px solid black; height: 20px; width: 40%;"></div>	40%	B/W	<div style="border: 1px solid black; height: 20px; width: 90%;"></div>	98%	MEM.	<div style="border: 1px solid black; height: 20px; width: 60%;"></div>	64%	<div style="border: 1px solid black; padding: 2px; text-align: center; margin-bottom: 10px;">RECOMMENDATIONS</div> <div style="padding: 10px; text-align: center; margin-top: 20px;"> STATUS: CALIBRATION RUNNING.... </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 40%;"><<PREVIOUS</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">NEXT >></div> </div>	
GEN.	<div style="border: 1px solid black; height: 20px; width: 80%;"></div>	77%													
PROC.	<div style="border: 1px solid black; height: 20px; width: 40%;"></div>	40%													
B/W	<div style="border: 1px solid black; height: 20px; width: 90%;"></div>	98%													
MEM.	<div style="border: 1px solid black; height: 20px; width: 60%;"></div>	64%													

300

Fig. 3



CALIBRATION RESULTS

Fig. 4